LED SPECIFICATION

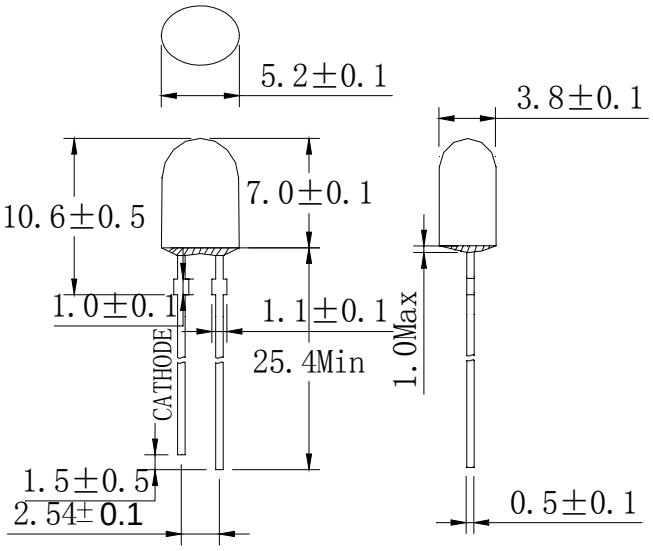
Part No.: 7511MR2D

Features:

- Single color
- High bright output
- Low power consumption
- High reliability and long life

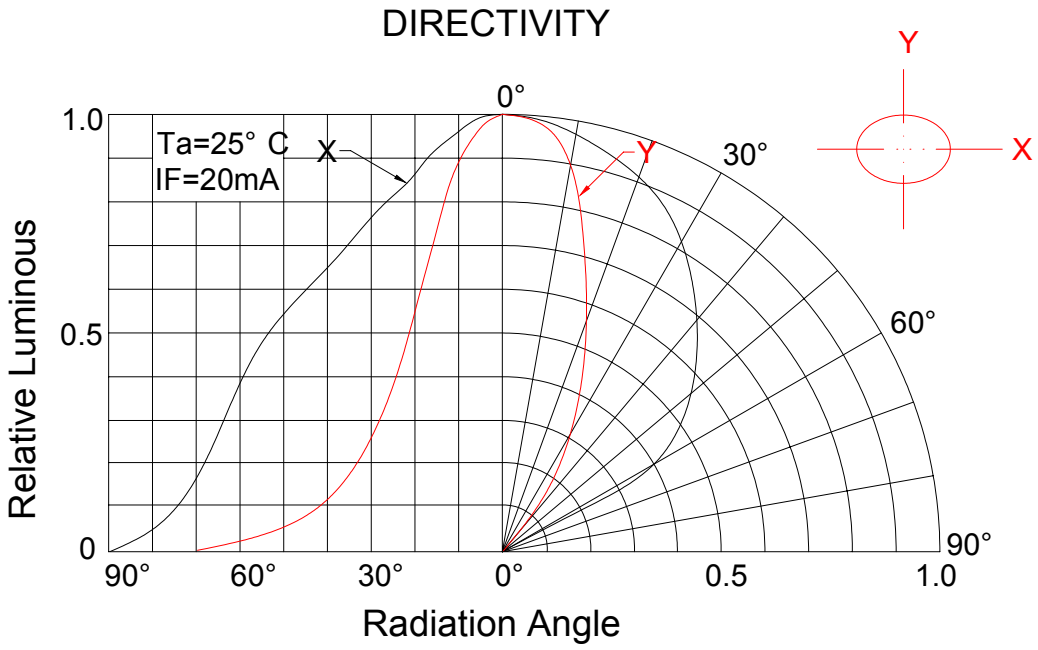
Descriptions:

- Dice material: AlGaInP
- Emitting Color: Super Bright Red
- Device Outline: 5.2×3.8mm Oval Type
- Lens Type: Red Diffused



NOTE:

- All dimensions are millimetres.
- Tolerance is +/-0.25mm unless otherwise noted.



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Absolute maximum ratings（Ta = 25℃）

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
Reverse Voltage	V_R	I_R = 30μA	5	--	V
Forward Current	I_F	----	----	30	mA
Power Dissipation	Pd	----	----	70	mW
Pulse Current	Ipeak	Duty=0.1mS，1kHz	----	100	mA
Operating Temperature	Topr	----	-20	+85	℃
Storage Temperature	Tstr	----	-25	+100	℃

Electrical and optical characteristics （Ta = 25℃）

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	V_F	I_F = 20mA	----	2.0	2.5	V
Reverse Current	I_R	V_R = 5V	----	----	30	μA
Dominate Wavelength	λ_d	I_F = 20mA	----	625	----	nm
Spectral Line half-width	$\Delta\lambda$	I_F = 20mA	----	20	----	nm
Luminous Intensity	I_V	I_F = 20mA	----	400	---	mcd
Viewing Angle	$2\theta_{1/2}$	I_F = 20mA	----	110/50	---	Deg.

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Typical electrical/optical characteristic curves: